



Morecambe Bay Academy

Parental Evening Year 11: Revision Support

January 2024

morecambebayacademy.co.uk



Academic Support

Year 11 Online Revision Resources

Morecambe Bay Academy



Supporting with revision

- Planning is key
- Timetables can support this
- Organisation will save
- Small and realistic targets
- Time frames keep you efficient
- Rewards to keep motivation high



Supporting with revision

- Different places work for different people
- A tidy study space is important
- Exams are stressful
- Keep mental health in mind



Revision Timetable

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
7.00 - 8.00							
8.00 - 9.00						-	
9.00 - 10.00	MATHS		BIOLOGY		BIOLOGY		
10.00 - 11.00	BIOLOGY	HISTORY		HISTORY	MATHS		
	BREAK					WORK	
11.20 - 12.20			MATHS		HISTORY		
12.20 - 1.25	LUNCH						
1.25 - 2.25	MATHS	BIOLOGY	HISTORY				
2.30 - 3.30	HISTORY			BIOLOGY			
3.30 - 5.00							
5.00 - 6.00							
6.00 - 7.00							
7.00 - 8.00							
8.00 - 9.00							
9.00 - 10.00							
10.00 - 11.00							

Lessons in red

Independent study: each subject with its own colour.



- Note that there is no late-night work going on here!!
- Planning ahead is a way of avoiding the buildup of stress
- Sleep is important: no-one will benefit form working late into the night. You need time to rest and to wind down, as well as spend time with family and friends.



Revision Cards

• Made by some students last year.

Glacial env.s - high artitudes + latitudes La permanetly covered by ice (glaciers / ice sheets) Glaciers = ice masses that flow downhill. Ice sheets = domes of ice covening huge areas of land. . High latitudes = v. cold e.g. Antartic ice sheet (southern hemisphere) + Greenland Ice sheet (North)- both above 60° ratitude. High artitudes e.g. Himarayas (high-est mountain range in world) - Even though it can be v. cold on low altitude land inmiddle of continent, there's not enough snow to form glaciers.

CHEMISTRY - ENTROPY

ENTROPY = measure of disorder of a substance

entropy change = Dentropy of - Dentropy of DS Droducts - Dreactants

· higher entropy = bigger As

entropy gas > entropy liquid > entropy solid measured in JK⁻¹mol⁻¹

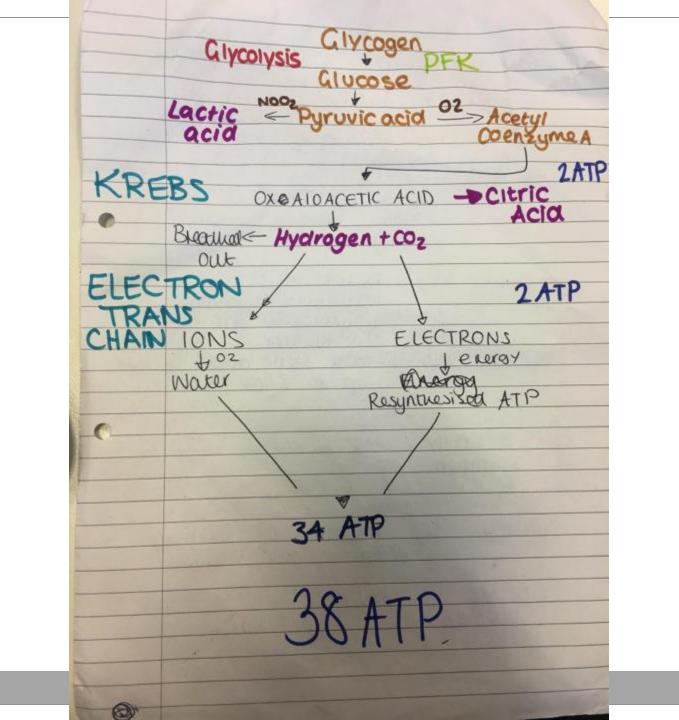
[16 marks]

Describe and evaluate the cognitive approach in psychology. internal process should be studied: study is indirect, and uses inference. · Uses models, e.g. multi-store model, or computer models (CPU, coding). · Schema as mental frame works to store world knowledge - born with motor schema, develops throughout life. Enable processing lots of information quickly, prevents being overwhelmed by stimuli. VUSES mainly tab experiments- high control and scientific rigor. X Comparison to computers = machine reductionism. X Tests are carried art using artificial showli- law external validity. Real life application to A.I. with computer processing based on human processing- may revolutionise future living. X Recognises internal processing precedes response to stimuli, but we operate within the realm of air aun knowledge-interactionist/ soft determinism. X Schemas can lead to misinterpretation of events.





For some topics it will be more useful to make a mindmap or a poster so that you can see how things connect:



Density

- Densing is mass per unit voume

determines

applied:

Constant

HOOKE'S I aw

F=KAL

renearns me same.

materials up to a point

- -> Unis nom > Water has a density of 1000kgm-3 or 1 gcm-3

- P= m

-> The density of an object

> Hooke's law says that me

extension of a smetched object,

Where K is the stiffness constant of

the material being smetched

-> Jpings also obeys Hooke's law,

but K is men calleame spring

-> It works for pom compressive

and lenne forces. Forsprings, k

HOOKe's law is also obeyed by most

AL, is proportional to me force being

Types of deformation

-> The material returns to its original

shape + site once force is removed

-> writing makings is pulled apart, the

-> The atoms more small distances relative

changing portion in the material

-> Load removed - return to eq point on

-> There is a limit to me force that

-> The graph snows F-BE for a BL

-> The Hirst part snows HOOKE'S law

> P is the limit of proportionality

being obeyed (arect relationship)

-> E is me elasticumit (permanenty

typical metal wire

Inerched)

to stay mue.

F

can be applied for Hooke's law

atoms are pulled a part tromore another

to mely equilibrium por Hons without

-> This nappens as long aseramic limit in Headed.

MATERIALS

Elashe

Plashe

depointed

->Material is permanently

relative to one another

rewin to original positions

-> Takesplace when makerials

~ Urub : Nm-2 or Pa

Strain= AL

breaking stress (B)

Young modulus

E= SHOW = FL

-> Up to me limit of proportionaling.

stress & strain, so gia dient = constant

-> In a stress-strain graph, E-gradient and

area - elastic strain enorgy per unit volume

-> This constant, E is the Young modulus

-> The effect of the smess is to pull

the atoms apart from one anomer

-> Eveninally stress causes the atoms to

seperate completely. This is the

> UTS (UIHMAKE KENHICSTRESS) WTHE MOR

stress a material can wimstand

are stretched past elastic limit

-> Load removed - Huydon't

-> Atoms move portion

Energy conservation

-> WINLY MOTERIAL IS ITTERNA,

W=YIF + AL (From)

-> In Elash c delormanons, mis

is syored as elastic strain energy

E= 12FAL= 12KAL2

-> Once the load is remould, thus

-> Inplashe deformation, work

is done to seperate atoms, and

Strain

-E= "2 stress +

energy is mostly lost as near

stress and strain

by the cross sectional area: stress = 5%

-> Strain is mirano benuen extension and original ungm

-> UTS anals born depend on the remperature of the material

Urress

-> TENSILE ITTESSIS the force applied divided

Stress

1) Hanifeneato omer tormo

WORKINDONE



- Our most "successful" students are:
- Well organised: they are busy and often enjoy a range of activities out of school as well as keeping up to date with academic work.
- Counting the number of hours of study to get a **balance** across subjects.
- Effectively using their **independent study time**: they see homework as the baseline minimum and they do more.
- Revising as they go along and producing materials to support this.
- Often doing **optional 'extra' tasks** (interventions).



- They are accessing materials, for example from GCSE pod or online textbooks, to help go over understanding from lessons and **enrich** their own learning.
- Using frequent assessment, as a tool to appraise their own learning, and plan their revision.
- Overcoming barriers to learning in a practical way and **seeking support** to do this.



• Students who are "struggling" tend to be:

- Completing homework, especially if it will be marked by the teacher, but not doing the amount of independent study we expect.
- Struggling to get into a **good routine** of work in and out of school.
- Stressed out by on-the-spot tests and planned exams. They are **unprepared**.
- Feeling like they have a lot of time on their hands! They are less busy, in and out of school, and this can lead to a lack of motivation and sometimes poor mental health.



Student Support

- Careers Advisor
- School Counsellors
- School Nurse
- Group support sessions with external agencies.

These are confidential services. We can signpost students to the right support.

The Pastoral Team will not know about the content of any conversations unless there are safeguarding concerns.

Students may access these services without your knowledge.



- Student Health and Wellbeing is a main priority at MBA, we want all our students to be happy and involved and to know they are supported by staff and by their peers.
- A work routine is an important part of student wellbeing alleviating stress and setting boundaries to work hours.
- All students are encouraged to join extra curricular activities to establish habits that allow them to take time out from their studies and promote a positive way of relaxing that will support them in adult life.



Healthy habits for life





Support for Families

There are excellent resources from Young Minds to support parents to support their children

<u>https://www.youngminds.org.uk/parent/parents-a-z-mental-health-guide/exam-time/</u>

Keeping our students well and happy is undoubtedly the most important aspect of our jobs. If you have any concerns, please do discuss them with the Head of Year. You know your children the best and we are here to support their personal development.





- Ms Pardoe is the strategic lead for safeguarding.
- She can be contacted directly if you have any worries or concerns.



Sixth Form at MBA





Key Sixth Form Dates

- Taster Day 1st February
- Applications close 9th February
- Induction Day 26th June
- GCSE results day/enrolment 22nd August





University Destinations

- Durham Archaeology, Sport and English Literature
- Leeds Psychology
- Nottingham Trent Architecture
- York Criminology, Photography
- Hull Marine Biology
- Lancaster Law, Chemistry, Biomedical Science, Fine Art
- Sheffield Philosophy
- Swansea Graphic Communication

Apprenticeship Destinations

EDF BAE

United utilities Bowker's Electrical Lancaster City Council Royal Air Force Lancashire Police

Morecambe Bay Academy







Aspiring to be a professional football referee. Secured a Law apprenticeship in a local Lancaster Law firm.

<u>https://www.lancasterguardian.co.uk/news/morecambe-</u> <u>clothing-designer-gets-showcase-at-london-fashion-week-</u> <u>4210687</u>

At MBA Sixth Form students have the confidence to be who they want to be and are supported to find their way in the world.



16, 17 and 18



Further questions

Members of SLT are available if you have any questions.

Thank you for attending.